

a. With four tentacles.

20st Genus.—*Sarsia* (Lesson). 4 British sp.

b. With one tentacle only developed.

21nd Genus.—*Steenstrupia* (new). 3 sp.

In all there are fifty species of British Pulmograda known to Prof. Forbes, excluding doubtful forms and varieties. Of these nine only had been previously recorded as British, and of the remainder, all but five are undescribed.

METEOROLOGICAL OBSERVATIONS FOR AUG. 1846.

Chiswick.—August 1. Uniformly overcast: hot and dry: 2 P.M. almost continued thunder: at 3 P.M. rain in torrents: at 4^h 40^m vivid lightning and rain, mixed with large hail: overcast at night 2. Sultry: thunder and rain: clear. 3. Rain: showery. 4. Cloudy and fine. 5. Heavy rain. 6. Cloudy and fine. 7. Overcast. 8, 9. Cloudy and fine. 10, 11. Very fine. 12. Rain: cloudy. 13. Cloudy: heavy rain. 14. Very fine. 15. Clear: fine: rain. 16, 17. Cloudy: fine. 18. Fine: rain. 19. Fine: drizzly. 20. Overcast: rain. 21. Densely clouded: rain. 22—25. Cloudy and fine. 26. Overcast. 27. Fine. 28—31. Very fine.

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| Mean temperature of the month | 64°·16 |
| Mean temperature of Aug. 1845 | 59·30 |
| Average mean temperature of Aug. for the last twenty years | 62·23 |
| Average amount of rain in Aug. | 2·41 inches. |

Boston.—Aug. 1. Cloudy: rain P.M., with thunder and lightning. 2. Fine: rain P.M. 3. Fine: rain, with thunder and lightning A.M. 4. Fine: rain and lightning P.M. 5. Cloudy: rain P.M. 6, 7. Cloudy. 8. Fine. 9. Cloudy: rain A.M. 10. Fine: rain P.M. 11, 12. Fine. 13. Cloudy: whirlwind, with rain A.M. 14. Fine. 15. Fine: rain A.M. 16. Fine. 17. Fine: rain early A.M. 18. Fine. 19. Rain. 20. Fine: rain A.M. and P.M. 21. Rain. 22. Cloudy. 23. Cloudy: rain P.M. 24—27. Cloudy. 28. Fine. 29. Cloudy. 30, 31. Fine.—The past month has been extraordinary warm.

Sandwick Manse, Orkney.—Aug. 1. Cloudy: fine. 2. Fog: hot: fine. 3. Bright: hot: fog. 4. Clear: hot: fog. 5. Bright: cloudy. 6. Fog: cloudy. 7. Cloudy. 8. Bright: fog. 9. Fog: rain. 10. Bright: rain: clear. 11. Showers: clear. 12. Showers: cloudy. 13. Rain. 14. Bright: clear. 15. Rain. 16. Showers: small rain. 17. Cloudy: fine. 18. Cloudy. 19. Bright: hot: fog. 20. Cloudy: rain. 21. Cloudy: damp. 22. Damp: drizzle. 23. Cloudy. 24. Bright: cloudy. 25. Clear: aurora: fine. 26. Clear: fine. 27. Clear: aurora: fine. 28. Clear: fog. 29. Cloudy. 30. Bright: rain. 31. Rain: clear.

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| Mean temperature of the month | 58°·82 |
| Mean temperature of Aug. for nineteen preceding years | 54·76 |
| Mean temperature of Aug. 1845 | 53·16 |

Applegarth Manse, Dumfries-shire.—Aug. 1. Remarkably warm. 2. Very fine. 3. Very fine: thunder. 4. Fine: one shower. 5. Heavy shower: fine. 6. Fair and fine. 7. Rain, heavy: thunder. 8. Wet: thunder. 9. Wet P.M.: fair A.M. 10. Showers. 11, 12. Slight showers. 13. Very heavy rain: flood. 14. Fine: one shower. 15. Showers P.M. 16. Wet A.M.: cleared. 17. Very fine harvest day. 18. Rain nearly all day. 19. Fine harvest day. 20. Fine harvest day: thunder. 21—23. Fine harvest days. 24, 25. Fine harvest days: threatening. 26, 27. Fine harvest days: clear. 28, 29. Fine harvest days: threatening. 30. Fine harvest day. 31. Rain: cleared P.M.

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| Mean temperature of the month | 61°·25 |
| Mean temperature of Aug. 1845 | 56·4 |
| Mean temperature of Aug. for twenty-three years | 57·0 |
| Mean rain in Aug. for eighteen years | 3·61 inches. |